



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/763,119	01/22/2004	Hiroaki Nasu	9319S-000598	4197

27572 7590 10/06/2005

HARNESS, DICKEY & PIERCE, P.L.C.
P.O. BOX 828
BLOOMFIELD HILLS, MI 48303

EXAMINER

KIM, AHSHIK

ART UNIT PAPER NUMBER

2876

DATE MAILED: 10/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/763,119	Applicant(s) NASU, HIROAKI	
	Examiner Ahshik Kim	Art Unit 2876	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 1/22/04 (initial filing of application).
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 January 2004 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>1/22/04; 5/4/04</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement filed May 4, 2005 fails to comply with 37 CFR
5 1.98(a)(1), which requires the following: (1) a list of all patents, publications, applications, or
other information submitted for consideration by the Office; (2) U.S. patents and U.S. patent
application publications listed in a section separately from citations of other documents; (3) the
application number of the application in which the information disclosure statement is being
submitted on each page of the list; (4) a column that provides a blank space next to each
10 document to be considered, for the examiner's initials; and (5) a heading that clearly indicates
that the list is an information disclosure statement. The information disclosure statement has
been placed in the application file, but the information referred to therein has not been
considered.

Applicant listed related application in IDS, and the copies have been received, which is in
15 the file wrapper. However, use of PTO-1449 is required in order for them to be considered.

Priority

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers
20 have been placed of record in the file.

Claim Rejections - 35 USC § 102

Art Unit: 2876

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

5 (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Goto (US 5,012,344, hereinafter “Goto”).

Re claim 1, 2 and 4-6, Goto discloses an image-processing device in the form of a
10 charge-coupled device (CCD) (see abstract) comprising a plurality of pixels; a first shift register 2A (see figure 7; also see figure 1) connected to individual photosensitive pixels PE1, PE2, (col. 2, lines 38+); a second shift register 2B which are also connected to the photosensitive pixels. The first shift register is used for generating a set pulse, and the second shift register is used for generating a clear pulse (col. 7, lines 23+). The number of lines for generating a set
15 pulse or a clear pulse would be equal to or less than the total number of lines. When the device is manually moved to a different target, and the image is captured, such movement would meet “condition for picking an image up is changed.”

Re claim 3, when the image is captured, the image sensor utilizing CCD must have had a direction toward the target (col. 1, lines 50+).

20

Additional Remarks

5. The last part of claim 1 and claim 5 are unclear, and therefore does not limit a particular situation where a condition for picking up image is changed. Similarly, claim 3 is also vague. “At least one of a frame rate, a shutter speed and a scanning direction” does not recite, in the

Art Unit: 2876

Examiner's view what Applicant meant to claim. It should have been "change in at least one of a frame rate, a shutter speed and a scanning direction."

Conclusion

5 I. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Tai (US 5,85,674); Joseph et al. (US 5,710,417); Hung et al. (US 5,430,687); Nagafusa et al. (US 6,876,372) ; Cocuzza et al. (US 6,523,753) ; May et al. (US 6,206,288); Hussey et al. (US 6,899,273); Roustaei (US 6,123,261) disclose image-processing device. Applicant is respectfully suggested to carefully review these references.

10 II. Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Ahshik Kim* whose telephone number is (571)272-2393. The examiner can normally be reached between the hours of 6:00AM to 3:00PM Monday thru Friday.

15 If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee, can be reached on (571)272-2398. The fax number directly to the Examiner is (571)273-2393. The fax phone number for this Group is (703)872-9306.

20 Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [ahshik.kim@uspto.gov].

25 *All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.*

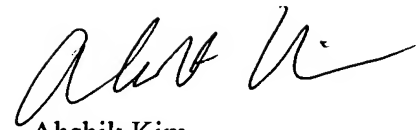
30 Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished application is available for Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have any questions or access to the Private PAIR
35 system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Application/Control Number: 10/763,119

Page 5

Art Unit: 2876

A handwritten signature in black ink, appearing to read 'Ahshik Kim', written in a cursive style.

Ahshik Kim

Primary Examiner

Art Unit 2876

September 28, 2005